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By

*Doreen Davis*  
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Attorney Docket No.: HERR 18.096

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor : **Sunil Keshavji VAKGAMA**  
Serial No. : **Concurrently Herewith**  
Filed : **Concurrently Herewith**  
Title : **INTERFERENCE REDUCTION IN MOBILE STATIONS FOR  
CDMA MOBILE COMMUNICATIONS NETWORKS**

February 23, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R:

In order to comply with discretionary rules 37 CFR §§1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to issue a patent in the instant application.

As this Statement is being filed prior to issuance of a first Office Action, no fee is due.

The present Disclosure Statement is being submitted in compliance with 37 CFR §1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with

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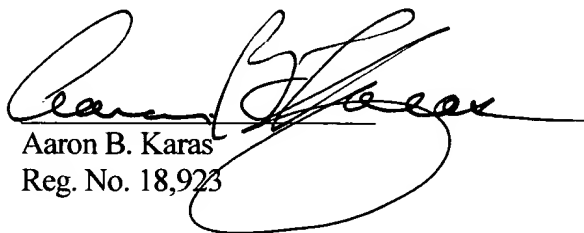
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37 CFR §§1.104 (a) and 1.106 (b), and in the course of such search will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is respectfully solicited.

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Respectfully submitted,



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1449/PTO  <b>U.S. Department of Commerce Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Sheet 1 of 1	Application No. : <b>Concurrently herewith</b>
	Filing Date : <b>Concurrently herewith</b>
	First Named Inventor : <b>Sunil Keshavji VAKGAMA</b>
	Group Art Unit :
	Examiner Name :
	Attorney Docket No. : <b>FUJL 18.096</b>

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document	Kind Code if known <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		<b>WO 97 08846</b>		<b>QUALCOMM INC</b>	<b>3/6/1997</b>	<b>abstract</b>
		<b>WO 92/11722 A1</b>		<b>MOTOROLA</b>	<b>7/9/1992</b>	<b>abstract</b>

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached <sup>6</sup>
		<b>"Multiuser Detection for Downlink CDMA Communications in Multipath Fading Channels", Wichman R. et al., IEEE Vehicular Technology Conference, US, New York, IEEE, vol. CONF. 47, pp 572-576, XP0007836672, ISBN: 0-7803-3660-7</b>	
		<b>"Multi-user Detection for DS-CDMA Communications", Moshavi S., IEEE Communications Magazine, US, IEEE Service Centre, Piscataway, N.J. vol. 34, no. 10, pp 124-136, XP0006944892, ISSN: 0163-6804</b>	

Examiner Signature	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1<sup>6</sup> if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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**HL70593/005 - Document List for IDS**

1. Search report issued on priority United Kingdom application no. 9820559.4 and the single cited document:

WO-A-92 11722 (Motorola)

2. PCT search report and the following cited documents:

"Multiuser Detection for Downlink CDMA Communications in Multipath Fading Channels", Wichman R. et al, IEEE Vehicular Technology Conference, US, New York, IEEE, vol. CONF. 47, pp 572-576, XP0007836672, ISBN: 0-7803-3660-7

WO-A-97 08846 (Qualcomm)

"Multi-user Detection for DS-CDMA Communications", Moshavi S., IEEE Communications Magazine, US, IEEE Service Centre, Piscataway, N.J., vol. 34, no. 10, pp 124-136, XP0006944892, ISSN: 0163-6804